

Short CV

Steffen Malskær Olsen

Year of birth: 1972

Place of Work

Danish Meteorological Institute
Centre for Ocean and Ice
Lyngbyvej 100
2100 Copenhagen Ø
Denmark
Phone: (+45) 39157217
E-mail: smo@dmi.dk

Education

- 1997 Master thesis in oceanography at Department of Geophysics, University of Copenhagen. Thesis title: Dianeutral Advektion og Vandtype omformning i Stillehavet, supervised by Prof. G. Shaffer. Graduated July 1997.
- 2002 Ph.D. thesis at the Danish Center for Earth System Science, University of Copenhagen. Thesis title: Stable and oscillating thermohaline circulation states in simple climate models validated against paleodata. Graduated November 29, 2002.

Positions held

- 1997-1999 Research assistant at the Danish Center for Earth System Science, University of Copenhagen.
- 1999-2002 Ph D position at the Danish Center for Earth System Science, University of Copenhagen.
- 2002- Research Scientist at the Center for Ocean and Ice, Danish Meteorological Institute.

Ongoing research activities

Ocean modelling, Nordic Seas

Thermohaline Overturning – at Risk ? EU-FP7 Environment, 2009-2012. Lead: Prof. Detlef Quadfasel, Hamburg.

Arctic-Atlantic Exchanges. Arktisk samarbejdsprogram, Nordisk Ministerråd, 2007-2009. Lead: Prof. Svein Østerhus, University of Bergen

Program for klimaforskning i havstrømme omkring Færøerne, Finansloven, 2009-2011. Lead: Prof. Bogi Hansen, Fiskirannsóknarstofan (Den Færøske Fiskeriundersøgelse), Tórshavn.

Observational oceanography

GreenArc Icecamp 2009: Climate and environmental changes in the Arctic Ocean north of Greenland. KVUG IPY 2008 funds. Lead: PhD Leif Toudal Pedersen, Centre for ocean and ice, DMI (ocean.dmi.dk/arctic/icecamp).

Interdisciplinary research projects

Vulnerability and adaptation of South and East Greenland Economies to Natural variability in the multi-year ice coverage. KVUG-UMTS/IPY grant, 2008-2010. Lead: PhD Steffen M. Olsen, Centre for ocean and ice, DMI.

Earth System modelling

Development of the coupled Earth System Model (EC-Earth) with the objectives to simulate earth climate and climate variability from seasonal through multi-century time scales. Member of the EC-Earth working group on ocean modeling (ecarth.knmi.nl).

Development and applications of the low order Earth System model (DCESS Model) with the objectives to simulate Earth System processes and feedbacks on geological time-scales (www.dcess.dk).